

WHAT IS CLAIMED IS:

1. An order taking apparatus for receiving orders for articles from a plurality of order making terminals, comprising:

5        information processing means for setting order taking conditions for a date of delivery and changing said order taking conditions in accordance with order statuses from said plurality of order making terminals; and

10        communicating means for communicating information with said order making terminals.

2. An apparatus according to claim 1, wherein said information processing means changes the order taking  
15        conditions for said date of delivery to order taking conditions which are advantageous to a customer in order to concentrate dates of delivery of the articles.

3. An apparatus according to claim 2, wherein when  
20        the order taking conditions are changed, said communicating means transmits said changed order taking conditions to a terminal apparatus of a customer who made the order under the order taking conditions obtained before the change.

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4. An apparatus according to claim 1, wherein said information processing means forms delivery work

schedule information for delivering said articles in accordance with said order statuses.

5. An order taking apparatus for receiving orders  
5 for articles from a plurality of order making terminals, comprising:

storage means for storing order taking conditions regarding the orders for the articles;

communicating means for communicating information  
10 with said order making terminals through a predetermined communication line; and

information processing means for changing the order taking conditions stored in said storage means in accordance with order statuses received from said  
15 plurality of order making terminals by said communicating means,

wherein said order taking conditions correspond to allocation dates of vehicles responsive to the orders for said articles.

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6. An apparatus according to claim 5, wherein the order for said articles is a delivery of a predetermined article or a request for collection of expendable supplies for recycling which are used for  
25 said articles.

7. An apparatus according to claim 5, wherein said

articles are used items and the order for said articles is a request for collection of said used items for recycling.

5        8. An apparatus according to claim 5, wherein said information processing means changes said order taking conditions on the basis of the number of said articles or expendable supplies which can be carried in a vehicle for delivering the articles or collecting said  
10        expendable supplies of said articles for recycling.

9. An apparatus according to claim 5, wherein said information processing means forms and/or changes the order taking conditions with respect to each of said  
15        plurality of terminals.

10. An apparatus according to claim 9, wherein said communicating means notifies only the order making terminal which ordered the articles before the order  
20        taking conditions are changed of a fact that said order taking conditions were changed.

11. An apparatus according to claim 8, wherein as said order taking conditions, an order taking quantity  
25        based on a carrying capacity of said vehicle has been predetermined before the start of the order taking, and the order taking is closed in accordance with the order

taking conditions.

12. An apparatus according to claim 6, wherein said  
expendable supplies include toner, a toner cartridge,  
5 expendable parts, and ink, and said expendable parts  
include at least a photosensitive drum and a  
photosensitive unit.

13. An order taking apparatus which can perform a  
10 bidirectional communication with a terminal apparatus  
through a predetermined communication line, comprising:

communicating means for transmitting collecting  
request conditions for allocation dates of vehicles for  
collecting expendable supplies for recycling which are  
15 used for an image forming apparatus to said terminal  
apparatus; and

information processing means for computing said  
collecting request conditions in accordance with  
request information of said expendable supplies which  
20 is requested from said terminal apparatus through said  
predetermined communication line.

14. An apparatus according to claim 13, further  
comprising storage means for storing area information  
25 for managing every area the collecting requests for  
recycling requested from a plurality of terminal  
apparatuses, and

wherein said information processing means computes said collecting request conditions on the basis of said area information stored in said storage means.

5        15. An apparatus according to claim 14, wherein said area information is transmitted from an information processing apparatus which is used by a deliverer for running said vehicles.

10        16. An apparatus according to claim 13, wherein said communicating means transmits the collecting request conditions which are changed by said information processing means in accordance with collecting requests for recycling from a plurality of  
15 terminal apparatuses to said plurality of terminal apparatuses according to area information.

17. An apparatus according to claim 13, wherein said collecting request conditions are privilege  
20 information for said terminal apparatus.

18. An order taking method of receiving orders for articles from a plurality of order making terminals, comprising the steps of:  
25        setting order taking conditions for a date of delivery;  
         changing said order taking conditions in

accordance with order statuses from said plurality of order making terminals; and

communicating information regarding order taking with said order making terminals.

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19. A method according to claim 18, wherein in said changing step, the order taking conditions for said date of delivery are changed to order taking conditions which are advantageous to a customer in order to  
10 concentrate dates of delivery of said articles.

20. A method according to claim 18, wherein in said communicating step, when the order taking conditions are changed, said changed order taking conditions are  
15 transmitted to the order making terminal of a customer who made the order under the order taking conditions obtained before the change.

21. A method according to claim 18, further  
20 comprising a step of forming delivery work schedule information for delivering said articles on the basis of said order statuses.

22. An order taking method of receiving orders for  
25 articles from a plurality of order making terminals, comprising:

a storing step of storing order taking conditions

regarding the orders for the articles;

a communicating step of providing the order taking conditions stored in said storing step to said order making terminals; and

5 a processing step of changing the order taking conditions stored in said storing step in accordance with statuses of the orders received from said plurality of order making terminals in said communicating step,

10 wherein said order taking conditions correspond to dates of allocation of vehicles responsive to the orders for said articles.

23. A method according to claim 22, wherein the  
15 order for said articles is a delivery of a predetermined article or a request for collection of expendable supplies for recycling which are used for said articles.

20 24. A method according to claim 22, wherein said articles are used items and the order for said articles is a request for collection of said used items for recycling.

25 25. A method according to claim 22, wherein in said processing step, said order taking conditions are changed on the basis of the number of said articles or

expendable supplies which can be carried in a vehicle for delivering the articles or collecting said expendable supplies of said articles for recycling.

5        26. A method according to claim 22, wherein in said processing step, the order taking conditions are formed and/or changed with respect to each of said plurality of terminals.

10       27. A method according to claim 22, further comprising a notifying step of notifying only the order making terminal which ordered the articles before the order taking conditions are changed of said order taking conditions changed in said processing step.

15       28. A method according to claim 25, wherein as said order taking conditions, the number of order taking persons based on a carrying capacity of said vehicle has been predetermined before the start of the order taking, and the order taking is closed in accordance with the order taking conditions.

25       29. A method according to claim 23, wherein said expendable supplies include toner, a toner cartridge, expendable parts, and ink, and said expendable parts include at least a photosensitive drum and a photosensitive unit.



30. An order taking method which is executed by a bidirectional communication with a terminal apparatus through a predetermined communication line, comprising:

5 a communicating step of transmitting collecting request conditions for allocation dates of vehicles for collecting expendable supplies for recycling which are used for an image forming apparatus to said terminal apparatus; and

10 a processing step of computing said collecting request conditions in accordance with request information of said expendable supplies which is requested from said terminal apparatus through said predetermined communication line.

15 31. A method according to claim 30, further comprising a storing step of storing area information for managing every area the collecting requests for recycling requested from a plurality of terminal apparatuses, and

20 wherein in said processing step, said collecting request conditions based on said area information stored in said storing step are computed.

25 32. A method according to claim 31, wherein said area information is transmitted from an information processing apparatus which is used by a deliverer for running said vehicles.

33. A method according to claim 30, wherein in said communicating step, the collecting request conditions which are changed in said processing step in accordance with collecting requests for recycling from a plurality of terminal apparatuses are transmitted to said plurality of terminal apparatuses according to area information.

34. A method according to claim 30, wherein said collecting request conditions are privileges for said terminal apparatus.

35. A computer-readable storage medium which stores a program that is executed in an order taking apparatus for receiving orders for articles from a plurality of order making terminals, wherein said program comprises the steps of:

setting order taking conditions for a date of delivery;

changing said order taking conditions in accordance with order statuses from said plurality of order making terminals; and

communicating information regarding order taking with said order making terminals.

36. A computer-readable storage medium which stores a program that is executed in an order taking apparatus

for receiving orders for articles from a plurality of order making terminals, wherein said program comprises:

a storing step of storing order taking conditions regarding the orders for the articles;

5 a communicating step of providing the order taking conditions stored in said storing step to said order making terminals; and

10 a processing step of changing the order taking conditions in accordance with statuses of the orders received from said plurality of order making terminals in said communicating step, and

said order taking conditions correspond to allocation dates of vehicles responsive to the orders for said articles.

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37. A computer-readable storage medium which stores a program that is executed in an order taking apparatus which can perform a bidirectional communication with a terminal apparatus through a predetermined

20 communication line, wherein said program comprises:

a communicating step of transmitting collecting request conditions for allocation dates of vehicles for collecting expendable supplies for recycling which are used for an image forming apparatus to said terminal apparatus; and

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a processing step of computing said collecting request conditions in accordance with request

information of said expendable supplies which is requested from said terminal apparatus through said predetermined communication line.

5        38. An order taking program that is executed in an order taking apparatus for receiving orders for articles from a plurality of order making terminals, comprising the steps of:

10                setting order taking conditions for a date of delivery;

              changing said order taking conditions in accordance with order statuses from said plurality of order making terminals; and

15                communicating information regarding order taking with said order making terminals.

20        39. An order taking program that is executed in an order taking apparatus for receiving orders for articles from a plurality of order making terminals, comprising:

              a storing step of storing order taking conditions regarding the orders for the articles;

25                a communicating step of providing the order taking conditions stored in said storing step to said order making terminals; and

              a processing step of changing the order taking conditions stored in said storing step in accordance

with statuses of the orders received from said plurality of order making terminals in said communicating step,

5 wherein said order taking conditions correspond to allocation dates of vehicles responsive to the orders for said articles.

40. An order taking program that is executed in an order taking apparatus which receives orders of articles from a plurality of order making terminals, comprising:

10 a communicating step of transmitting collecting request conditions for allocation dates of vehicles for collecting expendable supplies for recycling which are used for an image forming apparatus to said order making terminal; and

15 a processing step of computing said collecting request conditions in accordance with request information of said expendable supplies which is requested from said order making terminal through a predetermined communication line.